

IN THE CLAIMS

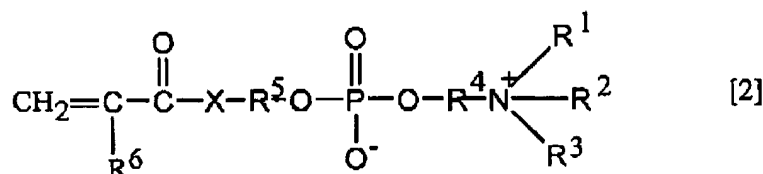
Amendments To The Claims:

This Listing of Claims will replace all prior versions and listings of claims in the application. No new matter is added.

Listing of Claims:

1.(Currently Amended) An immunoassay method of a prostate-specific antigen comprising:

performing an antigen-antibody reaction in the presence of a ~~polymer having a monomer unit derived from~~ copolymer obtained by polymerizing a monomer represented by the following general formula [2]:



[[()]]wherein, R¹-R³ are each independently a hydrogen atom or an alkyl group optionally having a hydroxyl group; R⁴ is an alkylene group; R⁵ is an alkylene group optionally having a substituent and optionally having an oxygen atom in the chain; R⁶ is a hydrogen atom or a methyl group; and X is an oxygen atom or a -NH- group[[()]], and an aralkyl methacrylate or derivatives thereof; and

determining the presence of prostate-specific antigen based on the antigen-antibody reaction.

2-7. (Canceled)

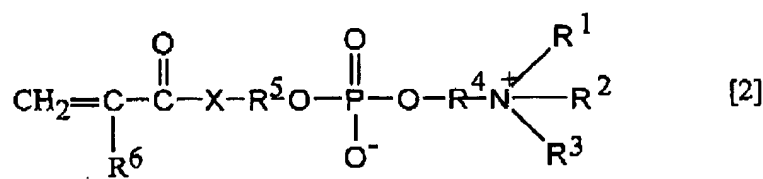
8. (Currently Amended) The immunoassay method according to claim [[2]] 1, wherein ~~methacrylate ester~~ the aralkyl methacrylate is benzyl methacrylate.

9. (Currently Amended) The immunoassay method according to claim [[7]] 8, wherein a ratio of the monomer unit derived from the monomer represented by the general formula [2] in the copolymer is 20% or more but less than 100%.

10. (Currently Amended) The immunoassay method according to claim 9, wherein a molecular weight of the polymer is 10,000 to 1,000,000.

11. (Currently Amended) A kit of reagent for immunoassay of a prostate-specific antigen comprising:

~~combining~~ a reagent containing a copolymer obtained by polymerizing[[(:)] a monomer represented by the following general formula [2]:



[[(:)]wherein, R^1 - R^3 are each independently a hydrogen atom or an alkyl group optionally having a hydroxyl group; R^4 is an alkylene group; R^5 is an alkylene group optionally having a substituent and optionally having an oxygen atom in the chain; R^6 is a hydrogen atom or a methyl group; and X is an oxygen atom or a -NH- group[[(:)]], and ~~a monomer selected from a group consisting of acrylic acid or acrylate ester, methacrylic acid or methacrylate ester, acrylamide or N-substituted derivatives thereof, methacrylamide or N-substituted derivatives thereof and styrene or derivatives thereof~~ an aralkyl methacrylate or derivatives thereof; and

a reagent containing an antibody to a prostate-specific antigen or a prostate-specific antigen.

12. (Original) The kit according to claim 11, wherein the antibody to a prostate-specific antigen or the prostate-specific antigen is supported on a carrier.

13. (Canceled)

14. (Currently Amended) The kit according to claim ~~[[13]]~~ 12, wherein the carrier is latex.

15. (Canceled)

16. (Currently Amended) The kit according to claim 11, wherein ~~methacrylate ester~~ the aralkyl methacrylate is benzyl methacrylate.